

EXTRA LIGHT PVC FOAM SHEET

The values are a list of typical results by testing large numbers of specimens under specified conditions.

Additional processing can influence the properties so we recommend caution must be adhered to when applied to the finished products.

PHYSICAL CHARACTERISTICS

Characteristic	EXTRA LIGHT FOAM SHEET
Base Polymer	Polyvinyl chloride PVC
Form	Semi – Finished sheet product
Thickness	3mm – 30mm
Density	aver. 0.50 g/cm ³
Smell	Odourless
Water absorption	0.10%
Water Solubility	Insoluble
Tensile strength at yield	~ 12 MPa
Modulus of Elasticity	~ 850 MPa
Flexural Strength	> 30 MPa
Elongation at break	~ 13 %
Impact Resistance (CHARPY)	~ 14 kJ/m ²
Impact Resistance (IZOD)	~ 9 MPa
Shore Hardness	~ 30-40 (Shore-D)

THERMAL PROPERTIES

Property	EXTRA LIGHT PVC FOAM SHEET
Vicat Softening temperature	~ 73 °C
Heat Deflection Temperature @1.8MPa	~ 58 °C
Coefficient of Linear expansion	4.47 X 10 ⁻⁵
Thermal Expansion	0.06W/mK
Service Temperature	-20°C to +60°C

ELECTRICAL PROPERTIES

Property	EXTRA LIGHT PVC FOAM SHEET
Surface Resistivity (ohms)	10 ¹⁴ Ω
Volume Resistivity	10 ¹⁵ Ωcm
Dielectric Constant at 1MHZ	
Dielectric strength	1.56

SHEET SIZES & TOLERANCES

Standard sheet sizes	
	2440 X 1220 mm
	3050 X 1220 mm
	3050 X 1560 mm
	3050 X 2050 mm

Other sizes available to order. Subject to minimum quantities.

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TOLERANCES

Length	-0 +10mm
Width	-0 +3mm
Thicknesses	+ /- 5%

NOTES:

The information and data provided are communicated in good faith and are believed to be correct. However, they do not imply any responsibility, guarantee, obligation, or granting of licenses as they are purely indicative. The characteristics mentioned here do not constitute contractual specifications and may be changed without notice. Document provided as an uncontrolled copy.

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